



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
Lowell P. Braxton
Division Director

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m/049/032

UTAH DIVISION OF OIL, GAS AND MINING
FACSIMILE COVER SHEET

DATE: Nov. 23, 1998
FAX#: 485-4830
ATTN: Arjun Ram
COMPANY: Western Aggregates
DEPARTMENT: _____
NUMBER OF PAGES:(INCLUDING THIS ONE) 3
From: Lynn Kunkler

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We are sending from a sharp facsimile machine. Our telecopier number is (801)359-3940.

MESSAGES:

Here's the tentative approval letter for
Ekin's East Quarry

I Faxed Brent a copy as well.

Lynn

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TRANSACTION REPORT

P. 01

NOV-23-98 SUN 04:12 PM

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TOTAL			1M 45S	PAGES:	3			



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M/049/032

November 23, 1998

Brent Sumsion
Valley Asphalt, Inc.
7434 South Delmonte Road
Spanish Fork, UT 84660

Re: Notice of Tentative Approval to Commence Large Mining Operations, Valley Asphalt, Inc.,
Ekins East Quarry, M/049/032, Utah County, Utah

Dear Mr. Sumsion:

The Division has completed a review of your October 28, 1998 response to the Division's December 10, 1997 deficiency review letter. Your original large mining permit application was received June 26, 1997. We find the latest information sufficient to satisfy the outstanding technical deficiencies. The Division hereby grants tentative approval of the Lehi Quarry large mining permit application.

We will now publish a formal notice of tentative approval in the Salt Lake, Provo and American Fork newspapers which will begin a 30-day public comment period. If no substantive comments are received during the comment period, the Division will then be prepared to issue final approval of this project following receipt of your reclamation surety. The attached review comments are forwarded to provide clarification to our review of your latest deficiency response. If you disagree with our latest assessment and findings please notify us in writing before the public comment period ends.

If you have any other questions in this regard please contact either me, Tony Gallegos, or Lynn Kunzler, of the Minerals Staff. Thank you for your continued cooperation and patience in completing this permitting action.

Sincerely,

D. Wayne Hedberg
Permit Supervisor
Minerals Regulatory Program

jb
Enclosures: Review Comments, Revised Surety Estimate, Form MR-RC
cc: Arjun Ram, Western Aggregates Holding Corp.
John Blake, SITLA
Buck Rose, Utah County
Mary Ann Wright, DOGM
o:\review\m49-32.ten

**LARGE MINE TECHNICAL REVIEW COMMENTS
VALLEY ASPHALT, INC.
EKINS QUARRY**

M/049/032

November 6, 1998

R647-4-112 - Variance

A variance from rule *R647-4-111.8 Roads and Pads*, to allow the primary access road to remain unreclaimed was requested. A letter from the land owner was provided which expressed a desire for this paved road to remain for future development of properties to the south. The *Division hereby approves the requested variance to rule R647-4-111.8* to allow the 40 foot wide, paved, primary access road from Highway 6 to the plant area to remain unreclaimed at the end of these mining operations.

A variance from rules *R647-4-111.12 Topsoil Redistribution and R647-4-111.13 Revegetation*, to not apply topsoil or revegetate the final highwall area was requested. These variances are for 7.6 acres of final highwall area. This area will be solid stone outcrop and will have an overall slope of nearly 45 degrees. Benches will be too narrow to safely apply topsoil and seed. The *Division hereby approves the requested variance from rules R647-4-111.12 and R647-4-111.13* for the final highwall area.

R647-4-113 - Surety

The Division has reviewed the reclamation surety estimate included in the response received October 28, 1998. The Division has revised the Ekins East surety estimate using the recent estimate prepared for Valley Asphalt's Lehi Quarry as a guide. Additional surety estimate information was provided by Arjun Ram during a November 18, 1998 phone conversation. The revised reclamation surety estimate escalated to year 2003 dollars gives a total amount of \$327,200. A copy of the Division's estimate is attached for your review and comment if appropriate. If this surety amount is acceptable to Valley Asphalt, an acceptable form of surety in the amount of \$327,200 will need to be posted with the Division after the tentative approval public comment period has ended. The surety will need to be posted before the Division can grant final approval. (AAG)

1	RECLAMATION SURETY ESTIMATE				
2	Valley Asphalt, Inc.				last revision <u>11/18/98</u>
3	Ekins East				filename: m49-32.wb2
4	M/049/032				page "ESTIMATE"
5	Utah County				
6	Prepared by Utah State Division of Oil, Gas & Mining				
7	-This estimate is based on the reclamation plan in the June 26, 1997 NOI, revised October 26, 1998				
8	-This estimate is nearly identical to the estimate for the Lehi Quarry M/049/031				
9	-All structures & facilities to be dismantled, demolished & removed from the site as salvage or debris				
10	-All concrete foundations & pads are to be crushed & removed from the site as product or debris				
11	-Volumes of reinforced concrete from the Lehi Quarry estimate were also used in this estimate				
12	-Top soil from Berm area will be spread and additional top soil will be trucked in as needed				
13	- A minimum of 6" of top soil to be spread in the berm area and operations area and then seeded				
14	- A minimum of 12" of top soil to be spread in the pit bottom area and then seeded				
15	- Paved road will be left in place after the mining operations cease				
16	-Acreage: berm/spoils 21.1 acre; crushing, concrete & asphalt yard 8.2 acre; excavation 79.8 acre;				
17	sediment pond 1.0 acre; access road 3.7 acre; highwall/bench 7.6 acre				
18	-The highwall area & access road will not be topsoiled or seeded - variances granted				
19	Note: actual unit costs may vary according to site conditions last unit cost update 10/12/98				
20	-Amount of disturbed area which will receive reclamation treatments = 110.1 acres				
21	-Estimated total disturbed area for this mine = 121.4 acres				
22	<u>Activity</u>	<u>Quantity</u>	<u>Units</u>	<u>\$/unit</u>	<u>\$</u> Note
23	Safety signs, etc. (mtls & installation)	1	sum	500	500 (1)
24	Demolition of concrete foundations - silos	3,300	SF	6.06	19,998 (2)
25	Demolition of concrete foundations - fuel tanks	1,000	SF	5.05	5,050 (2a)
26	Equipment removal - loading & trucking	10	trips	530	5,300 (3)
27	Debris & equipment removal - dump fees	10	ton	50	500 (4)
28	Debris removal - loading trucks w/FE loader	4	hours	170	680 (5)
29	Demolition & debris removal - general labor	32	hours	15	480 (6)
30	Ripping "facilities area"	8.2	acre	581	4,764 (7)
31	Ripping mining area	79.8	acre	581	46,364 (7)
32	Installing safety fencing around highwalls - undocumented	250	LF	1.00	250 (8)
33	Surface drainage restoration - undocumented	250	LF	0.20	50 (9)
34	Topsoil replacement - dozer spreading	153,186	CY	0.20	30,637 (10)
35	Topsoil replacement - scraper haulage	153,186	CY	0.83	127,144 (11)
36	Broadcast seeding (~20 lb/acre)	110.1	acre	170	18,717 (12)
37	General site cleanup & trash removal - yard 50%	4.1	acre	50	205 (13)
38	Equipment mobilization	4	equip	500	2,000 (14)
39	Reclamation Supervision	10	days	363	3,630 (15)
40		Subtotal		266,270	
41	10% Contingency			26,627	
42		Subtotal		\$292,897	
43	Escalate for 5 years at 2.24% per yr			34,307	
44		Total		\$327,204	
45		Rounded surety amount in yr 2003-\$		\$327,200	
	Average cost per disturbed acre =			\$2,695	

44		Rounded surety amount in yr 2003-\$	\$327,200
45	Average cost per disturbed acre =	\$2,695	

1	RECLAMATION SURETY ESTIMATE		
2	Valley Asphalt, Inc.	last revision	11/18/98
3	Ekins East	filename: m49-32.wb2	
4	M/049/032	page "ESTIMATE"	
5	Utah County		
	Prepared by Utah State Division of Oil, Gas & Mining		

Note	
(1)	DOGM lump sum assumed
(2)	Means Heavy Construction Cost Data 1998, 020-754-0440, concrete removal, floors, 6" thick, reinforced rods +20% heavy rein
(2a)	Means Heavy Construction Cost Data 1998, 020-75004440, concrete removal, floors, 6" thick, reinforced rods
(3)	DOGM estimate taken from similar operation - file M/035/012
(4)	Means 1998, 020-612-0100, bldg construction mtl
(5)	Rental Rate Blue Book 4/98, Cat 988B, 7CY, & Means 1998, Crew B-10U
(6)	DOGM assumed wage for unskilled general labor
(7)	Means 1998 & Rental Rate Blue Book 4/98: Cat D10N, U, multi shank rippers, speed 0.5 mph
(7)	Means 1998 & Rental Rate Blue Book 4/98: Cat D10N, U, multi shank rippers, speed 0.5 mph
(8)	DOGM general estimate for field fence, 4 strand barbwire
(9)	Means 1998 & Rental Rate Blue Book 4/98: Cat D10N, U, mtl 2550 lb/CY, 50 ft push, avg vol 1.0CY/LF- assumed
(10)	Means 1998 & Rental Rate Blue Book 4/98: Cat D10N, U, mtl 2550 lb/CY, 50 ft push
(11)	Means 1998 & Rental Rate Blue Book 4/98: Cat 627F P-P, mtl 2550 lb/CY, 1,350 ft haul one-way, grade +/- 4%,
(12)	DOGM general estimate - broadcast seeding
(13)	DOGM general estimate - site cleanup & trash removal
(14)	DOGM general estimate - equipment mobilization 50 miles or less
(15)	Means 1998, 010-036-0180, project manager, minimum \$1,815/wk